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| <b>DECLARATION FOR UTILITY OR<br/>DESIGN<br/>PATENT APPLICATION<br/>(37 CFR 1.63)</b><br><br><input checked="" type="checkbox"/> Declaration Submitted With Initial Filing      OR <input type="checkbox"/> Declaration Submitted After Initial Filing (37 CFR 1.16(e) Required) | Attorney Docket Number   | 11258-01 US  |
|  | First Named Inventor     | Hui Chun LIU |
|  | <b>COMPLETE IF KNOWN</b> |              |
|  | Application Number       |              |
|  | Filing Date              |              |
|  | Group Art Unit           |              |
|  | Examiner Name            |              |

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Room Temperature Quantum Well Infrared Detector

the specification of which

☒ is attached hereto OR

☐ as filed on (MM/DD/YYYY) \_\_\_\_\_ as United States Application Number or PCT International Application Number \_\_\_\_\_ and was amended on (MM/DD/YYYY) \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

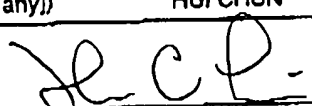
I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365 (b) of any foreign application(s) for patent or inventor's certificate, or 385(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign<br>Application Number(s) | Country | Foreign Filing Date<br>(MM/DD/YYYY) | Priority Not Claimed | Certified Copy Attached? |                          |
|--|---------|-------------------------------------|----------------------|--------------------------|--------------------------|
|  |         |                                     |                      | Yes                      | No                       |
|  |         |                                     |                      | <input type="checkbox"/> | <input type="checkbox"/> |
|  |         |                                     |                      | <input type="checkbox"/> | <input type="checkbox"/> |

☐ Additional foreign application numbers are listed on a supplementary priority data sheet (PTO/SB/02B) attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

| Application Number(s) | Filing Date (MM/DD/YYYY) | <input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto. |
|-----------------------|--------------------------|--|
|                       |                          |  |
|                       |                          |  |

| DECLARATION - Utility or Design Patent Application   |                                 | Attorney Docket No. 11250-01 US   |                      |
|--|---------------------------------|---|----------------------|
| I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(e) of any PCT International application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application. |                                 |   |                      |
| U.S. Parent Application or PCT Parent Number   | Parent Filing Date (MM/DD/YYYY) | Parent Patent Number (if applicable)  |                      |
|  |                                 |   |                      |
| I hereby appoint Practitioners at Customer Number <b>25319</b>   |                                 |   |                      |
| as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.  |                                 |   |                      |
| Direct all correspondence to: Gordon Freedman, Reg. No. 41,553<br>Freedman & Associates<br>117 Centrepointhe Drive, Suite 350<br>Nepean, Ontario, K2G 5X3 Canada<br>Tel: 613-274-7272<br>Fax: 613-274-7414   |                                 |   |                      |
| I hereby declare that all statements made herein of my own knowledge are true and that all statements were made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such wilful false statements may jeopardize the validity of the application or any patent issued thereon.   |                                 |   |                      |
| NAME OF SOLE OR FIRST INVENTOR:  |                                 | <input type="checkbox"/> A petition has been filed for this unsigned inventor |                      |
| Given Name (first and middle (if any)) HUI CHUN  |                                 | Family Name or Surname LIU  |                      |
| Inventor's Signature    |                                 | Date 17 April 2001  |                      |
| Residence: ORLEANS   | State ON                        | Country CA  | Citizenship CANADIAN |
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| City ORLEANS   | State ON                        | ZIP K1E 2Y4   | Country CANADA       |
| NAME OF SECOND INVENTOR:   |                                 | <input type="checkbox"/> A petition has been filed for this unsigned inventor |                      |
| Given Name (first and middle (if any))   |                                 | Family Name or Surname  |                      |
| Inventor's Signature   |                                 | Date  |                      |
| Residence: City  | State                           | Country   | Citizenship          |
| Mailing Address  |                                 |   |                      |
| Mailing Address  |                                 |   |                      |
| City   | State                           | ZIP   | Country              |
| <input type="checkbox"/> Additional Inventors are being named on the supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto   |                                 |   |                      |